UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant	: Paul Edmonds et al.	Art Unit	: Unknown
Serial No.	: 09/889,911	Examiner	: Unknown
Filed	: July 23, 2001		
Title	: UNIVERSAL INTERFACE FOR VOICE ACTIVATED ACCESS TO MULTIPLE INFORMATION PROVIDERS		

Commissioner for Patents
Washington, D.C. 20231

PETITION TO WITHDRAW NOTICE OF ABANDONMENT

Under 37 CFR §§1.8(b) and 1.181, applicant hereby petitions to withdraw the Notice of Abandonment mailed February 15, 2002 (copy enclosed). The application was abandoned for failure to provide the full U.S. Basic National Fee by 30 months as required under 37 CFR §1.495(b)(2).

The undersigned, applicant's attorney of record, first became aware of the abandonment on February 27, 2002, upon receipt of the Notice of Abandonment and submits that this petition to withdraw the Notice is being promptly submitted as required by 37 CFR §1.8(b)(1).

The following documents are submitted under 37 CFR §1.8(b)(2) as proof that the correct fees were in fact provided prior to the expiration of 30 months:

1. A copy of the Transmittal Letter to the United States Designated/Elected Office (DO/EO/US) Concerning a Filing Under 35 U.S.C. §371, which on page 2, box 17, indicates that a $100 Basic National Fee is being paid under 37 CFR §1.482 as all claims satisfied the provisions of PCT Article 33 (1)-(4);

2. A copy of the Preliminary Amendment canceling all claims that did not satisfy the provisions of PCT Article 33 (1)-(4);

Applicant : Paul Edmonds et al.
Serial No. : 09/889,911
Filed : July 23, 2001
Page : 2

Attorney's Docket No.: 09872-002003 / AM-5001C2

3.   A copy of the Notice of Abandonment mailed February 15, 2002, indicating that the application was abandoned under 37 CFR §1.495(b)(2) for failure to provide the full U.S. Basic National Fee by 30 months;

4.   A copy of a petition to revive filed by our office on April 4, 2002, in which we erroneously paid the remainder of the filing fees;
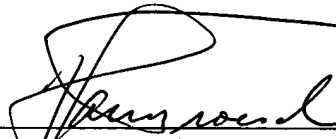
5.   A copy of the Decision on Petition under 37 CFR 1.137(b) mailed June 26, 2002, which indicates that the petition to revive was granted.

Applicant submits that the basic national fees were correctly paid upon filing the national phase application, and requests that the Notice of Abandonment be withdrawn and the additional fees which were paid in error to be credited to us.

Please apply any charges or credits to Deposit Account No. 06-1050.

Respectfully submitted,

Date: 15 July 02

Hans R. Troesch
Reg. No. 36,950

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SUBSTITUTE FORM PTO-1390 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTORNEY'S DOCKET NUMBER

TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A FILING UNDER 35 U.S.C. 371

ATTORNEY'S DOCKET NUMBER

09872-002003 *Copies of #14*

U.S. APPLICATION NO. (If Known, see 37 CFR 1.5)

INTERNATIONAL APPLICATION NO. PCT/US00/1547	INTERNATIONAL FILING DATE 21 January 2000	PRIORITY DATE CLAIMED 21 January 1999

TITLE OF INVENTION
UNIVERSAL INTERFACE FOR VOICE ACTIVATED ACCESS TO MULTIPLE INFORMATION PROVIDERS

APPLICANT(S) FOR DO/EO/US
Paul Edmonds, Yi Zhang, Chang Xu, Priyen Doshi, George Sollman, Andy Chan, Michael P. Tel, David Weinstein and Stephen Co

Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:

1. ☒ This is a **FIRST** submission of items concerning a filing under 35 U.S.C. 371.

2. ☐ This is a **SECOND** or **SUBSEQUENT** submission of items concerning a filing under 35 U.S.C. 371.

3. ☐ This is an express request to promptly begin national examination procedures (35 U.S.C. 371(f)).

4. ☒ The US has been elected by the expiration of 19 months from the priority date (PCT Article 31).

5. ☒ A copy of the International Application as filed (35 U.S.C. 371(c)(2))
     a. ☐ is attached hereto (required only if not communicated by the International Bureau).
     b. ☐ has been communicated by the International Bureau.
     c. ☒ is not required, as the application was filed in the United States Receiving Office (RO/US).

6. ☐ An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)).

7. ☐ Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))
     a. ☐ are attached hereto (required only if not communicated by the International Bureau).
     b. ☐ have been communicated by the International Bureau.
     c. ☐ have not been made; however, the time limit for making such amendments has NOT expired.
     d. ☐ have not been made and will not be made.

8. ☐ An English language translation of amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).

9. ☐ An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).

10. ☐ An English language translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).

Items 11 to 16 below concern other documents or information included:

11. ☐ An Information Disclosure Statement under 37 CFR 1.97 and 1.98.

12. ☐ An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.

13. ☒ A FIRST preliminary amendment.
     ☐ A SECOND or SUBSEQUENT preliminary amendment.

14. ☐ A substitute specification.

15. ☐ A change of power of attorney and/or address letter.

16. ☒ Other items or information:
     ☒ Check in the amount of $100.00
     ☒ Return Postcard
     ☐
     ☐

CERTIFICATE OF MAILING BY EXPRESS MAIL
Express Mail Label No. _____ EL 631 196 961 US _____
_____ July 23, 2001 _____
Date of Deposit

U.S. APPLICATION NO. (IF KNOWN)	INTERNATIONAL APPLICATION NO. PCT/US00/1547	ATTORNEY'S DOCKET NUMBER 09872-002003

17. ☐ The following fees are submitted:

Basic National Fee (37 CFR 1.492(a)(1)- (5)):

	CALCULATIONS PTO USE ONLY
Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO............. $1000	
International preliminary examination fee (37 CFR 1.482) not paid to USPTO but International Search Report prepared by the EPO or JPO $860	
International preliminary examination fee (37 CFR 1.482) not paid to USPTO but international search fee (37 CFR 1.445(a)(2)) paid to USPTO..................... $710	
International preliminary examination fee paid to USPTO (37 CFR 1.482) but all claims did not satisfy provisions of PCT Article 33(1)-(4).................. $690	
International preliminary examination fee paid to USPTO (37 CFR 1.482) and all claims satisfied provisions of PCT Article 33(1)-(4) $100	

ENTER APPROPRIATE BASIC FEE AMOUNT =	$100.00	
Surcharge of **$130** for furnishing the oath or declaration later than ☐ 20 ☐ 30 months from the earliest claimed priority date (37 CFR 1.492(e)).	$0.00	

Claims	Number Filed	Number Extra	Rate		
Total Claims	- 20 =		x $18	$0.00	
Independent Claims	- 3 =		x $80	$0.00	
MULTIPLE DEPENDENT CLAIMS(S) (if applicable)			+ $270	$0.00	

TOTAL OF ABOVE CALCULATIONS =	$0.00	
☐ Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by 1/2.	$0.00	
SUBTOTAL =	$0.00	
Processing fee of **$130** for furnishing the English Translation later than ☐ 20 ☐ 30 months from the earliest claimed priority date (37 CFR 1.492(f))	$0.00	
TOTAL NATIONAL FEE =	$0.00	
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31).$40.00 per property +	$0.00	
TOTAL FEES ENCLOSED =	$100.00	
	Amount to be refunded:	$
	Charged:	$

a. ☒ Having met the criteria set forth under 37 CFR 1.494, a check in the amount of **$100.00**, as designated by 37 CFR 1.492(a)(4), is enclosed.

NOTE: Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b) must be filed and granted to restore the application to pending status.

SEND ALL CORRESPONDENCE TO:

Hans R. Troesch
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Menlo Park, CA 94025
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SIGNATURE :

NAME _____ Katherine Kelly Lutton

REGISTRATION NUMBER _____ 46,333

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Paul Edmonds et al.   Art Unit   : Unknown
Serial No. : As yet unknown   Examiner : Unknown
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             MULTIPLE INFORMATION PROVIDERS

Commissioner for Patents
Washington, D.C. 20231

PRELIMINARY AMENDMENT

Prior to examination, please amend the application as follows:

In the claims:

Please cancel claims 1-4, 41-46, 51, 53 and 57-60.

Please amend claims 5, 47, 49, 52 and 54-55.

5.   (Amended) A universal interface for accessing one or more information systems
from a user telephone, the universal interface comprising:

an input converter for converting input from the user telephone to commands;

an interface control module coupled to the input converter for receiving the commands
from the input converter; determining one of the information systems to be accessed; converting
the commands to commands recognizable by the information system; forwarding the converted
commands to the information system; receiving data from the information system; detecting the
form of the data from the information system; and storing information relating to a current state
of the system;

a speech-to-text routing switch coupled to the interface control module for receiving data
from the information system and control data from the interface control module;

a speech-to-command converter coupled to the interface control module for converting
speech to commands, wherein the speech-to-command converter is coupled to the speech-to-text
routing switch to receive speech and to forward commands to the interface control module;

Applicant : Paul Edmonds et al.
Serial No. : As yet unknown
Filed : July 23, 2001
PCT Serial No.: PCT/US00/1547
PCT Filing Date: 21 January 2000
Page : 2

Attorney's Docket No.: 09872-002003

an output switch coupled to the interface control module and the speech-to-text routing switch for receiving speech from the speech-to-text routing switch for receiving a control input from the interface control module, and for forwarding speech from the speech-to-text routing switch to the user telephone; and

a text-to-speech converter coupled to the output switch for receiving text from the interface control module, converting the text to speech, and forwarding the speech to the output switch to deliver speech to the user telephone.

6. The universal interface of claim 5, wherein the user telephone is a mobile telephone.

7. The universal interface of claim 5, wherein the input converter comprises a speech-to-command converter.

8. The universal interface of claim 5, wherein the input converter comprises a tone-to-command converter.

9. The universal interface of claim 5, wherein the interface control module integrates the data from the information system periodically or manually under user control, the interface control module further comprising:

means for retrieving data from the information systems;

means for determining antecedent comparable relevance of the data;

means for updating all of the data to reflect the most recent data;

means for linking relevant data; and

means for exporting the linked data to the information system.

10. The universal interface of claim 9, wherein the information systems comprise two or more of the following:

a calendar;

a to-do list;

an address book;

Applicant : Paul Edmonds et al.
Serial No. : As yet unknown
Filed : July 23, 2001
PCT Serial No.: PCT/US00/1547
PCT Filing Date: 21 January 2000
Page : 3

Attorney's Docket No.: 09872-002003

voice mail;

e-mail; and

a web site.

11. The universal interface of claim 5, wherein the interface control module integrates and synchronizes (i) a database of a personal information manager, (ii) a database residing on a personal digital assistant, and (iii) a database residing in the universal interface, the universal interface coupled to a computer on which the personal information database resides, wherein a computer further comprises:

a first input terminal for receiving data from the personal digital assistant;

a second input terminal for receiving data from the universal interface;

a sensor for detecting a synchronization event triggered by a user requesting synchronization of the database of the personal digital assistant with the database of the personal information manager;

an electronic mail system coupled to the Internet; and

control logic coupled to receive the synchronized event from the sensor and to transmit data, over the electronic mail system, to the interface control module, wherein the control logic updates the data in each of the databases to reflect the most recent data entered into any database.

12. The universal interface of claim 11, wherein the synchronization information is sent to the universal interface in its entirety, in compressed form, or in incremental form.

13. The universal interface of claim 5, wherein the data sent from the information system to the universal interface is sent over the Internet.

14. The universal interface of claim 13, wherein the data sent is encrypted.

15. The universal interface of claim 5, wherein the output switch further comprises:

a detector for determining whether the speech from the speech-to-text routing switch is digital or analog;

a sound card coupled to the detector to receive digital data;

Applicant : Paul Edmonds et al
Serial No. : As yet unknown
Filed : July 23, 2001
PCT Serial No.: PCT/US00/1547
PCT Filing Date: 21 January 2000
Page : 4

Attorney's Docket No.: 09872-002003

a first speech routing switch for receiving a control input from the detector, and speech from the detector or speech from the sound card;

a second speech routing switch for receiving the control input from the interface control module and speech from the first speech routing switch or speech from the text-to-speech converter, the second speech routing switch forwarding speech to the user telephone.

16. The universal interface of claim 5, wherein the information system comprises at least one of: a dual tone multiple frequency (DTMF) driven voice mail system, a voice driven voice mail system, an electronic mail system, a web site, and a personal information manager.

17. The universal interface of claim 5, wherein the system determines one of the following:

whether the voice commands are being received from a user telephone;

the information system to be accessed;

whether the voice commands, after being converted to commands, are recognizable to the information system;

whether the converted commands have been forwarded to the information system;

whether data has been received from the information system;

whether data from the information system is speech or text;

the state of the speech-to-text routing switch; and

the state of the output switch.

18. The universal interface of claim 5, wherein the interface control module further comprises:

a model for converting commands from the telephone into commands recognizable by the information system; and

a translator coupled to the input converter for retrieving the model corresponding to the information system to be accessed and for converting the commands to commands recognizable by the information system.

Applicant : Paul Edmonds e●
Serial No. : As yet unknown
Filed : July 23, 2001
PCT Serial No.: PCT/US00/1547
PCT Filing Date: 21 January 2000
Page : 5

A●ney's Docket No.: 09872-002003

19. The universal interface of claim 5, wherein the universal interface further comprises:

means coupled to the input converter for signaling that the user telephone has received unintelligible words;

means for restarting communication to the text-to-speech converter at a point a specified number of words back from the point at which the communication ceased;

means for forwarding the first specified number of words by spelling the words out; and

means for continuing forwarding the data after the specific number of words.

20. The universal interface of claim 5, wherein the universal interface further comprises:

means for detecting a first language in which the commands from the user telephone are received;

means for detecting a second language associated with the data received from the information system; and

means for converting the data from the information system into the first language.

21. The universal interface of claim 20, wherein the universal interface further comprises means for detecting more than one languages within a single fragment of data.

22. The universal interface of claim 5, further comprising a resource manager for establishing conference bridges to an external telephone having a telephone number, wherein:

the interface control module detects, from the commands from the input converter, whether a conference bridge request has been made;

the interface control module retrieves the telephone number of the external telephone to establish the conference bridge;

the interface control module forwards the telephone number to the resource manager; and

the resource manager establishes a telephone connection with the external telephone.

Applicant : Paul Edmonds et
Serial No. : As yet unknown
Filed : July 23, 2001
PCT Serial No.: PCT/US00/1547
PCT Filing Date: 21 January 2000
Page : 6

Attorney's Docket No.: 09872-002003

23. The universal interface of claim 5, further comprising a facsimile manager for sending facsimiles to one or more facsimile machines, wherein:

the interface control module detects, from the commands from the input converter, whether a facsimile request has been made;

the interface control module retrieves a telephone number of a designated facsimile machine;

the interface control module forwards the data and the telephone number to the facsimile manager; and

the facsimile manager faxes the data to the designated facsimile machine.

24. The universal interface of claim 5, wherein the universal interface further comprises a pager manager for sending pager messages to one or more pagers, wherein:

the interface control module detects, from the commands from the input converter, whether a pager request has been made;

the interface control module retrieves data to be forwarded to the pager;

the interface control module retrieves a telephone number of a designated pager to which the data is to be forwarded;

the interface control module forwards the data and the telephone number to the pager manager; and

the pager manager forwards the data to the designated pager.

25. A universal interface for accessing data from one or more information systems comprising:

an input converter for receiving inputs from the user telephone and converting the inputs into commands;

an interface control module coupled to the input converter comprising:

    means for periodically requesting data from the information systems;

    means for retrieving data from the information system;

    means for detecting the form of data from the information system;

Applicant : Paul Edmonds et al.
Serial No. : As yet unknown
Filed : July 23, 2001
PCT Serial No.: PCT/US00/1547
PCT Filing Date: 21 January 2000
Page : 7

Attorney's Docket No.: 09872-002003

means for converting the data that is speech to commands;

means for storing the data for later access by a user telephone; and

means for storing information representing a current state of the system; and

further comprising:

means for receiving commands from the input converter and means for detecting

which of said stored information is sought to be accessed;

a text-to-speech converter coupled to the interface control module for receiving said

requested stored text from the interface control module, converting the text to speech, and

forwarding the speech to the user telephone.

26. The universal interface of claim 25, wherein the user telephone is a mobile

telephone.

27. The universal interface of claim 25, wherein the input converter comprises a

speech-to-command converter.

28. The universal interface of claim 25, wherein the input converter comprises a tone-

to-command converter.

29. The universal interface of claim 25, wherein the interface control module

integrates the data from the information system periodically or manually under user control, the

interface control module further comprising:

means for retrieving data from the information systems;

means for determining antecedent comparable relevance of the data;

means for updating all of the data to reflect the most recent data;

means for linking relevant data; and

means for exporting the linked data to the information system.

30. The universal interface of claim 29, wherein the information systems comprise

two or more of the following:

a calendar;

Applicant : Paul Edmonds et al.
Serial No. : As yet unknown
Filed : July 23, 2001
PCT Serial No.: PCT/US00/1547
PCT Filing Date: 21 January 2000
Page : 8

Attorney's Docket No.: 09872-002003

a to-do list;

an address book;

voice mail;

e-mail; and

a web site.

31. The universal interface of claim 25, wherein the interface control module integrates and synchronizes (i) a database of a personal information manager, (ii) a database of a personal digital assistant, and (iii) a database residing in the universal interface, the universal interface coupled to a computer on which the personal information database resides, said computer comprising:

a first input terminal for receiving data from the personal digital assistant;

a second input terminal for receiving data from the universal interface;

a sensor for detecting a synchronization event, wherein the event is triggered by a user requesting synchronization of the database of the personal digital assistant with the database of a personal information manager;

an electronic mail system coupled to the Internet; and

control logic coupled to receive detection information from the sensor and to transmit data, via the electronic mail system, to the interface control module, wherein the control logic updates the data in each of the databases to reflect the most recent data entered into any one database.

32. The universal interface of claim 31, wherein the synchronization information is sent to the universal interface in its entirety, in compressed form, or in incremental form.

33. The universal interface of claim 25, wherein the data sent from the information system to the universal interface is sent over the Internet.

34. The universal interface of claim 33, wherein the data sent over the Internet is encrypted.

Applicant : Paul Edmonds et al.
Serial No. : As yet unknown
Filed : July 23, 2001
PCT Serial No.: PCT/US00/1547
PCT Filing Date: 21 January 2000
Page : 9

Attorney's Docket No.: 09872-002003

35. The universal interface of claim 25, wherein the information system comprises at least one of: a dual tone multiple frequency (DTMF) driven voice mail system, a voice driven voice mail system, an electronic mail system, a web site, and a personal information manager.

36. The universal interface of claim 25, wherein the system determines one of the following:

whether the voice commands are being received from a user telephone;

the information system to be accessed;

whether the voice commands, after being converted to commands, are recognizable to the information system;

whether the converted commands have been forwarded to the information system;

whether data has been received from the information system;

whether data from the information system is speech or text;

the state of the speech-to-text routing switch; and

the state of the output switch.

37. The universal interface of claim 25, wherein the interface control module further comprises:

one or more models containing commands recognizable by the information system;

control logic for accessing the model that corresponds with the information system to be accessed, converting control commands to commands recognizable by the information system, and forwarding the converted commands to the information system.

38. The universal interface of claim 25, wherein the universal interface further comprises:

means coupled to the input converter for signaling that the user telephone has received unintelligible words;

means for restarting communication to the text-to-speech converter at a point a specified number of words back from the point at which the communication ceased;

means for forwarding the first specified number of words by spelling the words out; and

Applicant : Paul Edmonds et al.
Serial No. : As yet unknown
Filed : July 23, 2001
PCT Serial No.: PCT/US00/1547
PCT Filing Date: 21 January 2000
Page : 10

Attorney's Docket No.: 09872-002003

means for continuing forwarding the data after the specific number of words.

39.   The universal interface of claim 25, wherein the universal interface further comprises:

means for detecting a first language in which the commands from the user telephone are received;

means for detecting a second language associated with the data received from the information system; and

means for converting the data from the information system into the first language.

40.   The universal interface of claim 39, wherein the universal interface further comprises means for detecting more than one language within a single fragment of data.

47.   (Amended) A method for providing data from one or more information systems to a user telephone, comprising the steps of:

converting speech from the user telephone to text;

determining the information system to be accessed;

converting the text to commands recognizable by the information system;

forwarding the converted commands to the information system;

receiving data from the information system;

detecting the form of the data from the information system;

converting non-speech data from the information system into speech;

forwarding the speech data to the user telephone;

storing information relating to the current state of the system; and

integrating and synchronizing (i) a database of a personal information manager, (ii) a database of a personal digital assistant, and (iii) a database residing in a universal interface, by:

receiving data from the personal digital assistant;

receiving data from the universal interface;

Applicant : Paul Edmonds et a..
Serial No. : As yet unknown
Filed : July 23, 2001
PCT Serial No.: PCT/US00/1547
PCT Filing Date: 21 January 2000
Page : 11

Attorney's Docket No.: 09872-002003

detecting a synchronization event, wherein the event is triggered by a request for synchronization of the database of the personal digital assistant with the database of a personal information manager;

transmitting data, via an electronic mail system, to the interface control module; and

updating the data in each of the databases to reflect the most recent data entered into any one database.

48.   The method of claim 47, wherein the synchronization information is sent to the universal interface either in its entirety, in compressed form, or in incremental form.

49.   (Amended) The method of claim 48, further comprising sending the data from the information system to the universal interface over the Internet.

50.   The method of claim 49, further comprising encrypting the data from the information system before sending the encrypted data over the Internet.

52.   (Amended) A method for providing data from one or more information systems to a user telephone, comprising the steps of:
converting speech from the user telephone to commands;
determining the information system to be accessed;
converting the text to commands recognizable by the information system;
forwarding the converted commands to the information system;
receiving data from the information system;
detecting the form of the data from the information system;
converting non-speech data from the information system into speech;
forwarding the speech data to the user telephone; and
storing information relating to the current state of the system, wherein storing information relating to the current state of the system further comprises the steps of determining:
whether the voice commands are being received from a user telephone;

Applicant : Paul Edmonds et ...
Serial No. : As yet unknown
Filed : July 23, 2001
PCT Serial No.: PCT/US00/1547
PCT Filing Date: 21 January 2000
Page : 12

Attorney's Docket No.: 09872-002003

the information system to be accessed;

whether the voice commands, after being converted to text, have been converted into commands recognizable by the information system;

whether the converted commands have been forwarded to the information system;

whether data has been received from the information system;

whether data from the information system is speech or text;

the state of the speech-to-text routing switch; and

the state of the output switch.

54. (Amended) A method for providing data from one or more information systems to a user telephone, comprising the steps of:

converting speech from the user telephone to commands;

determining the information system to be accessed;

converting the text to commands recognizable by the information system;

forwarding the converted commands to the information system;

receiving data from the information system;

detecting the form of the data from the information system;

converting non-speech data from the information system into speech;

forwarding the speech data to the user telephone;

storing information relating to the current state of the system;

receiving a command from the user telephone signaling that the user telephone has received unintelligible words;

ceasing communication to the user telephone;

restarting communication to the user telephone at a point a specified number of words back from the point at which the communication ceased;

forwarding the first specified number of words by spelling the words out; and

continuing to forward the remainder of the data.

Applicant : Paul Edmonds et ..
Serial No. : As yet unknown
Filed : July 23, 2001
PCT Serial No.: PCT/US00/1547
PCT Filing Date: 21 January 2000
Page : 13

Attorney's Docket No.: 09872-002003

55.   (Amended) A method for providing data from one or more information systems to a user telephone, comprising the steps of:

converting speech from the user telephone to commands;

determining the information system to be accessed;

converting the text to commands recognizable by the information system;

forwarding the converted commands to the information system;

receiving data from the information system;

detecting the form of the data from the information system;

converting non-speech data from the information system into speech;

forwarding the speech data to the user telephone;

storing information relating to the current state of the system;

detecting the language in which the commands from the user telephone are received;

detecting the language of the data received from the information system; and

converting the data from the information system into the language in which commands from the user telephone are received.

56.   The method of claim 55, wherein detecting the language of the data received from the information system further comprises detecting more than one language within a single piece of data.

REMARKS

Attached is a marked-up version of the changes being made by the current amendment. Assuming the International Preliminary Examination Report (IPER) will be in accordance with the written opinion, the IPER will state that the criteria of novelty, inventive step (non-obviousness) and industrial applicability, as defined in PCT Article 33(1) to (4), have been satisfied for all claims presented by way of this preliminary amendment. The claims for which the written opinion indicated the criteria were not met were cancelled without prejudice. Claims 5 and 49 have been amended to correct formalities discussed in the written opinion. Claims 47, 52 and 54-55 have been converted to independent form.
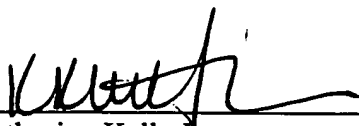
Applicant : Paul Edmonds et al.
Serial No. : As yet unknown
Filed   : July 23, 2001
PCT Serial No.: PCT/US00/1547
PCT Filing Date: 21 January 2000
Page   : 14

Attorney's Docket No.: 09872-002003

Applicant submits that all of the claims are now in condition for allowance, which action is requested.

Respectfully submitted,

Date: 7-23-01

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Reg. No. 46,333

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Applicant : Paul Edmonds et al.
Serial No. : As yet unknown
Filed : July 23, 2001
PCT Serial No.: PCT/US00/1547
PCT Filing Date: 21 January 2000
Page : 15

Attorney's Docket No.: 09872-002003

Version with markings to show changes made

In the claims:

Claims 1-4, 41-46, 51, 53 and 57-60 have been cancelled.

Claims 5, 47, 49, 52 and 54-55 have been amended as follows:

5.   (Amended) A universal interface for accessing one or more information systems from a user telephone, the universal interface comprising:

an input converter for converting input from the user telephone to commands;

an interface control module coupled to the input converter for receiving the commands from the input converter; determining one of the information systems to be accessed; converting the commands to commands recognizable by the information system; forwarding the converted commands to the information system; receiving data from the information system; detecting the form of the data from the information system; and storing information relating to a current state of the system;

a speech-to-text routing switch coupled to the interface control module for receiving data from the information system and control data from the interface control module;

a speech-to-command converter coupled to the interface control module for converting speech to commands, wherein the speech-to-command converter is coupled to the speech-to-[command] text routing switch to receive speech and to forward commands to the interface control module;

an output switch coupled to the interface control module and the speech-to-text routing switch for receiving speech from the speech-to-text routing switch for receiving a control input from the interface control module, and for forwarding speech from the speech-to-text routing switch to the user telephone; and

a text-to-speech converter coupled to the output switch for receiving text from the interface control module, converting the text to speech, and forwarding the speech to the output switch to deliver speech to the user telephone.

Applicant : Paul Edmonds et al.
Serial No. : As yet unknown
Filed : July 23, 2001
PCT Serial No.: PCT/US00/1547
PCT Filing Date: 21 January 2000
Page : 16

Attorney's Docket No.: 09872-002003

47.   (Amended) [The method of claim 41, further]A method for providing data from one or more information systems to a user telephone, comprising the steps of:

converting speech from the user telephone to text;

determining the information system to be accessed;

converting the text to commands recognizable by the information system;

forwarding the converted commands to the information system;

receiving data from the information system;

detecting the form of the data from the information system;

converting non-speech data from the information system into speech;

forwarding the speech data to the user telephone;

storing information relating to the current state of the system; and

integrating and synchronizing (i) a database of a personal information manager, (ii) a database of a personal digital assistant, and (iii) a database residing in a universal interface, by:

receiving data from the personal digital assistant;

receiving data from the universal interface;

detecting a synchronization event, wherein the event is triggered by a request for synchronization of the database of the personal digital assistant with the database of a personal information manager;

transmitting data, via an electronic mail system, to the interface control module; and

updating the data in each of the databases to reflect the most recent data entered into any one database.

49.   (Amended) The method of claim 4[1]8, further comprising sending the data from the information system to the universal interface over the Internet.

52.   (Amended) [The method of claim 41,]A method for providing data from one or more information systems to a user telephone, comprising the steps of:

converting speech from the user telephone to commands;

Applicant : Paul Edmonds et al.
Serial No. : As yet unknown
Filed : July 23, 2001
PCT Serial No.: PCT/US00/1547
PCT Filing Date: 21 January 2000
Page : 17

Attorney's Docket No.: 09872-002003

determining the information system to be accessed;

converting the text to commands recognizable by the information system;

forwarding the converted commands to the information system;

receiving data from the information system;

detecting the form of the data from the information system;

converting non-speech data from the information system into speech;

forwarding the speech data to the user telephone; and

storing information relating to the current state of the system, wherein storing

information relating to the current state of the system further comprises the steps of determining:

whether the voice commands are being received from a user telephone;

the information system to be accessed;

whether the voice commands, after being converted to text, have been converted

into commands recognizable by the information system;

whether the converted commands have been forwarded to the information system;

whether data has been received from the information system;

whether data from the information system is speech or text;

the state of the speech-to-text routing switch; and

the state of the output switch.

54. (Amended) [The method of claim 41, further]A method for providing data from

one or more information systems to a user telephone, comprising the steps of:

converting speech from the user telephone to commands;

determining the information system to be accessed;

converting the text to commands recognizable by the information system;

forwarding the converted commands to the information system;

receiving data from the information system;

detecting the form of the data from the information system;

converting non-speech data from the information system into speech;

forwarding the speech data to the user telephone;

Applicant : Paul Edmonds et a..
Serial No. : As yet unknown
Filed : July 23, 2001
PCT Serial No.: PCT/US00/1547
PCT Filing Date: 21 January 2000
Page : 18

Attorney's Docket No.: 09872-002003

storing information relating to the current state of the system;

receiving a command from the user telephone signaling that the user telephone has received unintelligible words;

ceasing communication to the user telephone;

restarting communication to the user telephone at a point a specified number of words back from the point at which the communication ceased;

forwarding the first specified number of words by spelling the words out; and

continuing to forward the remainder of the data.

55. (Amended) [The method of claim 41, further]A method for providing data from one or more information systems to a user telephone, comprising the steps of:

converting speech from the user telephone to commands;

determining the information system to be accessed;

converting the text to commands recognizable by the information system;

forwarding the converted commands to the information system;

receiving data from the information system;

detecting the form of the data from the information system;

converting non-speech data from the information system into speech;

forwarding the speech data to the user telephone;

storing information relating to the current state of the system;

detecting the language in which the commands from the user telephone are received;

detecting the language of the data received from the information system; and

converting the data from the information system into the language in which commands from the user telephone are received.
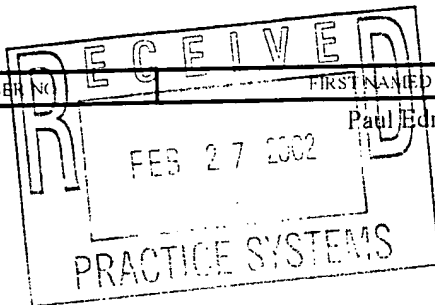
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U.S. APPLICATION NUMBER NO	FIRST NAMED APPLICANT	ATTY. DOCKET NO.
09/889,911	Paul Edmonds	09872-002003

RECEIVED
FEB 27 2002
PRACTICE SYSTEMS

INTERNATIONAL APPLICATION NO.
PCT/US00/01547

I.A. FILING DATE	PRIORITY DATE
01/21/2000	01/21/1999

Hans R. Troesch
Fish & Richardson
2200 Sand Hill Road
Suite 100
Menlo Park, CA 94025

CONFIRMATION NO. 3486

371
ABANDONMENT/TERMINATION
LETTER

OC000000007482949

Date Mailed: 02/15/2002

NOTIFICATION OF ABANDONMENT

The United States Patent and Trademark Office in its capacity as an Elected Office (37 CFR 1.495), has made the following determination:

- Applicant has failed to provide the full U.S. Basic National Fee by 30 months (37 CFR 1.495(b)(2)).
- No deposit account.

DOCKETED BY PRACTICE SYSTEMS

ACTION: Aband. Unintentional
BASE: 2-15-02
DUE: 4-15-02
DEADLINE: 4-15-02
INITIALS:

Therefore, the above identified application failed to meet the requirements of 35 U.S.C. 371 and 37 CFR 1.495, and is ABANDONED AS TO THE UNITED STATES OF AMERICA.

BARBARA A CAMPBELL

Telephone: (703) 305-3631

PART 1 - ATTORNEY/APPLICANT COPY

FORM PCT/DO/EO/909 (371 Abandonment Notice)

Docketed By Billing Secretary
Due Date: 4/15
Deadline: Det to fee (Unintention)
Initials: S

PETITION FOR REVIVAL OF AN INTERNATIONAL APPLICATION FOR PATENT DESIGNATING THE U.S. ABANDONED UNINTENTIONALLY UNDER 37 CFR 1.137(b)	Docket Number (Optional) 09872—002003

First named inventor: **Paul EDMONDS, et al.**

International (PCT) Application No.: **PCT/US00/01547**   U.S. Application No.: **09/889,911**
(if known)

Filed: **July 23, 2001**

Title: **UNIVERSAL INTERFACE FOR VOICE ACTIVATED ACCESS TO MULTIPLE INFORMATION PROVIDERS**

Attention: PCT Legal Staff
Box PCT
Assistant Commissioner for Patents
Washington, D.C. 20231

The above-identified application became abandoned as to the United States because the fees and documents required by 35 U.S.C. 371(c) were not filed prior to the expiration of the time set in 37 CFR 1.494(b) or (c) or 1.495(b) or (c) as applicable). The date of abandonment is the day after the date on which the 35 U.S.C. 371(c) requirements were due. See 37 CFR 1.494(g) or 1.495(h).

APPLICANT HEREBY PETITIONS FOR REVIVAL OF THIS APPLICATION

NOTE: A grantable petition requires the following items:
(1) Petition fee
(2) Proper reply
(3) Terminal disclaimer with disclaimer fee--required for all international applications having an international filing date before June 8, 1995; and
(4) Statement that the entire delay was unintentional.

1. Petition fee

☐ Small entity - fee $_____(37 CFR 1.17(m)). Applicant claims small entity status. See 37 CFR 1.27.

☒ Other that small entity - fee $__1280.__(37 CFR 1.17(m))

2. Proper reply

A. The proper reply (the missing 35 U.S.C. 371(c) requirement(s) in the form of
payment of all fees and authorization to _____ (identify type of reply):
charge deposit account.

☐ has been filed previously on _____.
☒ is enclosed herewith.

3. Terminal disclaimer with disclaimer fee

☒ Since this international application has an international filing date on or after June 8, 1995, no terminal disclaimer is required.

☐ A terminal disclaimer (and disclaimer fee (37 CFR 1.20(d)) of $_____ for a small entity or $_____ for other than a small entity) disclaiming the required period of time is enclosed herewith (see PTO/SB/63).

4. Statement. The entire delay in filing the required reply from the due date for the required reply until the filing of a grantable petition under 37 CFR 1.137(b) was unintentional.

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

4-4-02
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Signature

Katherine Kelly Lutton, Reg. No. 46,33
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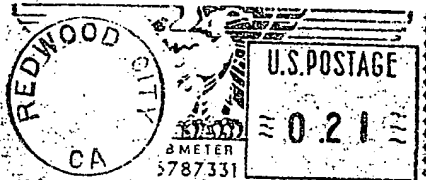Telephone
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Fish & Richardson P.C.
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Enclosures: ☐ Response
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☐ Terminal Disclaimer Form
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Fish & Richardson P.C.
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3300 Dain Rauscher Plaza
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The Patent and Trademark Office date stamp sets forth the receipt date of:
Applicant or Patentee EDMONDS, et AL
No. (Application,Appeal,Interference,Patent,Reexam) 09/889,911
Filing or Issue Date July 23, 2001
Title: UNIVERSAL INTERFACE FOR VOICE...

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☐ PTO Form 1449 _____ Pages ☐ Prior Art References - No. of References _____
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